

Bioengineering Division

Our purpose is to advance the knowledge and practice of bioengineering and foster the professional development of our members



- The **Bioengineering Division** is focused on the application of mechanical engineering knowledge, skills and principles from conception to the design, development, analysis and operation of biomechanical systems.

Technical Committees

- The Bioengineering Division includes **five technical committees**: Tissue and Cellular Engineering, Biotransport, Design, Dynamics and Rehabilitation, Solid Mechanics, and Fluid Mechanics.

Honors & Awards

Division Level Awards

- SBC Student Awards
- Richard Skalak Award

Society Level Awards

- Herbert R. Lissner Medal
- Melville Medal
- Van C. Mow Medal
- Y.C. Fung Young Investigator Award

Summer Bioengineering Conference



The Summer Bioengineering Conference (SBC) is a high quality, multidisciplinary annual biomedical engineering event sponsored by the ASME Bioengineering Division. Since 1993, the SBC has been a forum for informal interactions and exchange of ideas among new and experienced members of the bioengineering community. In a uniquely relaxed atmosphere, the conference provides an outstanding venue for researchers, educators and students, bioengineers, biologists and clinicians from industry, academia and clinical organizations for state-of-the-art and in depth discussions.

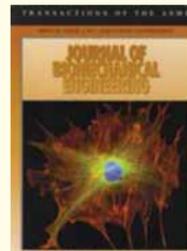
Y.C. Fung Young Investigator Award

- The Y.C. Fung Young Investigator Award was established to recognize young investigators who have demonstrated significant potential to make substantial contributions in bioengineering. The award was established by the Bioengineering Division in 1985 and operated as a division award until 1998 when it was elevated to a Society award.



Publications

- The Journal of Biomechanical Engineering (JBME) reports the results of original research involving the application of mechanical engineering knowledge, skills, and principles to the analysis, design, development, and function of native and engineered biological systems across all dimensional scales.



- 1) JBME began monthly publication beginning with the January 2009 issue.
- 2) The annual page budget has increased from 1,100 to 1,500 published pages.
- 3) Special issues are published above and beyond the monthly issues.

- The Journal of Medical Devices (JMED) is an exciting venture offered by ASME in 2009. Papers in this journal focus on applied research and development of new medical devices or instrumentation. The journal publishes papers on devices that improve diagnostic, interventional and therapeutic treatments. Also, featured in the journal is a “medical device news” section.



The Lissner Medal

- The Lissner Award (Medal) was established in 1977 by the then Human Factors Division of ASME as a divisional award. The citation reads as follows: *“In recognition of outstanding achievements in the field of Bioengineering”*. The award was named in honor of Professor Herbert R. Lissner of Wayne State University because of his pioneering work in the study of injury biomechanics that began in 1939.
- This first award was given to Professor Robert Mann of MIT in 1977. It remained as a divisional award until 1987 when funding was secured to elevate it to a Society-wide award. Professor Van Mow was the first recipient of the Society-wide award in 1987.



Van C. Mow Medal

- The Van C. Mow Medal is bestowed upon an individual who has demonstrated meritorious contributions to the field of bioengineering through research, education, professional development, leadership in the development of the profession, mentorship to young bioengineers, and with service to the bioengineering community. The award was established by the Bioengineering Division in 2004.

